DW F-770W/772W/820W/822W(영) 2003.12.12 1:45 PM 페이지 1

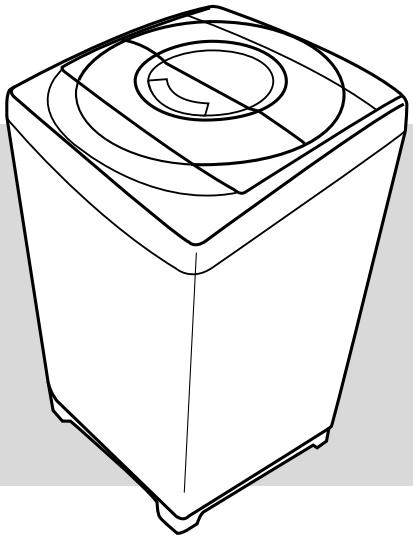
DAEWOO

CE

Full-Auto Electric Washing Machine

Model: DWF-770W/772W/820W/822W

INSTRUCTION MANUAL



- ■ Applying One-Touch Operation System.
- ■ Realizing calm washing through the innovational low-noise design.
- ■ Before operating this washer, please read this instruction completely. Thank you.

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A NOTE TO YOU

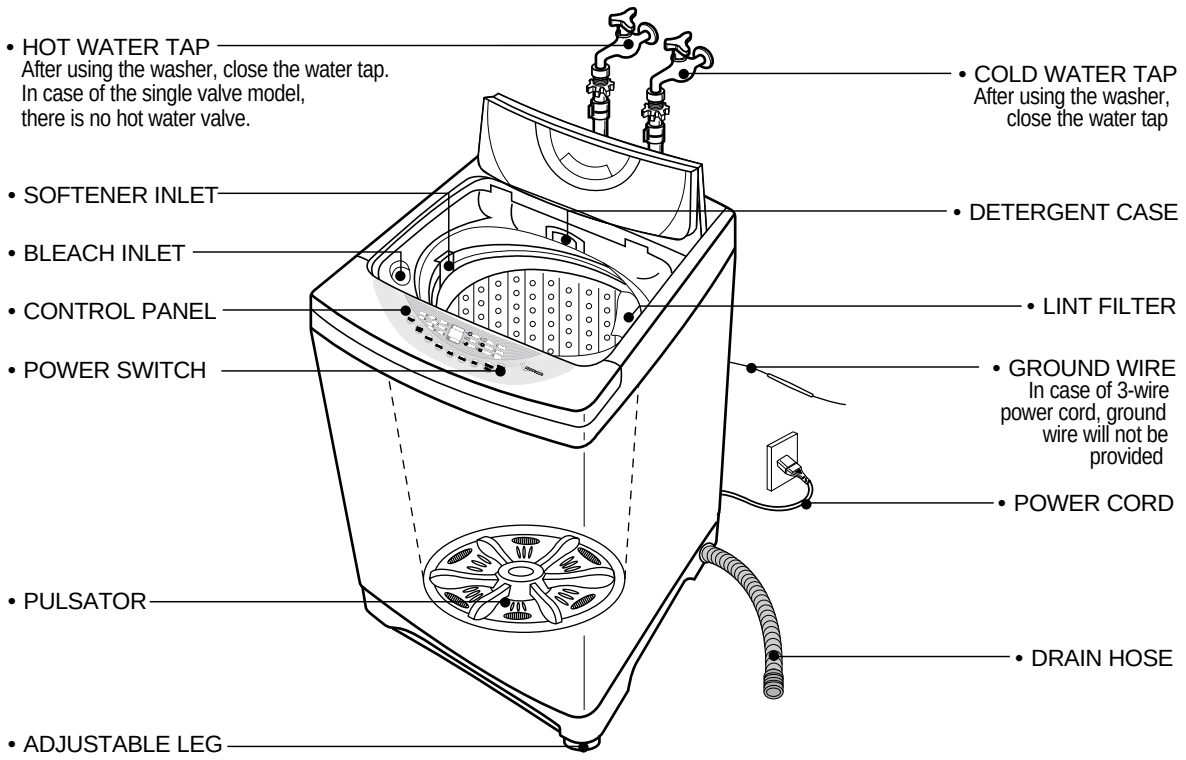
Thank you for buying a DAEWOO appliance.
DAEWOO washers are easy to use, save time, and help you manage your home better.
This manual contains valuable information about how to operate and maintain your washer properly and safely.
Please read it carefully.

PARTS AND FEATURES

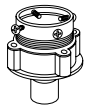
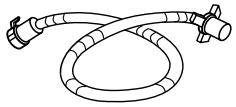
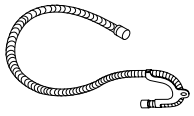
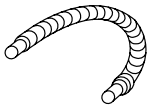
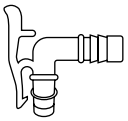
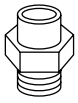
The parts and features of your washer are illustrated on this page.
Become familiar with all parts and features before using your washer.

NOTE

- *The drawings in this book may vary from your washer model.*
  They are designed to show the different features of all models covered by this book,
  Your model may not include all features.



ACCESSORIES (Full Option)

DRYTEN	COVER UNDER	WATER TAP ADAPTER	INLET HOSE
		 In case of screw-shaped inlet hoses, water tap adapters will not be provided.	
HOSE DRAIN (FOR PUMP)	**HOSE DRAIN (FOR NON-PUMP)**	**HOSE CONNECTOR**	**CONNECTOR INLET**
			

WASHER SAFETY

Save these instructions

Your safety is important to us.
To reduce the risk of fire, electrical shock, or injury when using your washer adhere to the following basic precautions.

Read all instructions before using your washer	
• Flammable fluids (dry-cleaning solvents, kerosene, gasoline, etc.) should not be used or stored in or near your washer. Do not add flammable fluids to your wash water. These substances give off vapours that can create a fire hazard or explosion. • After starting a cycle, do not reach into the spin basket until all motion stops. • Do not tamper with the controls. • The appliance is not intended for use by young children or infirm persons without supervision. • Young children should be supervised to ensure that they do not play with the appliance. • If the supply cord is damaged, it must be replaced by the manufacturer or its sevice agent or a similarly qualified person in order to avoid a hazard. • If the appliance is supplied from a cord extension set or electrical portable outlet device it should be positioned so it is not subjected to splashing or ingress of moisture.	Please ... • Have only a qualified person install, repair, or replace parts on washer. • Maintain washer properly. • Protect washer from the weather and keep it where the temperature will not fall below freezing. • Do not install the washer at a place of extremely high humidity. It could cause an electric shock or a short circuit. • Connect washer to the correct outlet, electrical supply, water supply, and drain supply. • Ground washer properly.

Understanding your responsibilities

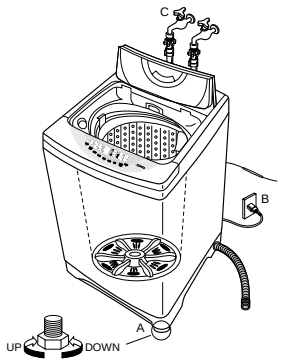
- Do not use chlorine bleach and ammonia or acid (such as vinegar or rust remover) in the same wash. Hazardous fumes can form.
- Unplug power supply cord before attempting to service your washer.
- Do not wash fiberglass materials.
  Small particles can stick to fabrics washed in following loads and cause skin irritation.
- Do not use hot water if standard temperature is over 50˚C (122˚F).
  It could cause a deformation of plastic parts.
- Do not spray water on the control panel and back cover of the washer.
  It could cause fire or an electric shock.
- In case of the dual valve model, if you connect only cold water inlet valve, while water temperature is selected as hot or warm, there can be water leakage from unconnected water inlet valve.

INSTALLATION INSTRUCTIONS

Location of washer

Check location where washer will be installed. Make sure you have everything necessary for correct installation.
Proper installation is your responsibility.

- Do not place or store your washer below 0 °C (32°F) to avoid any damage from freezing.
- Install the washer on the horizontal solid floor.



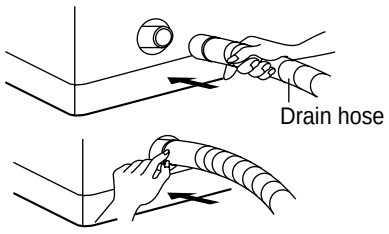
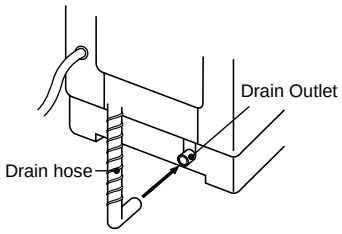
If the washer is installed on an unsuitable floor, it could make considerable noise, vibrate and cause a malfunction. If washer is not level, adjust the front leg(A) up or down for horizontal setting.

- Earthed electrical outlet(B) is required with 20cm of bottom back of washer cabinet.
- Hot and cold water faucets (C) must be within 1m of the upper back of the washer cabinet and provide water pressure 29kPa~784kPa (0.3kgf/cm^2~ 8kgf/cm^2).

Drain system

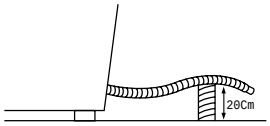
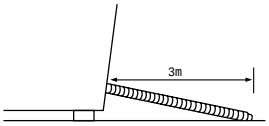
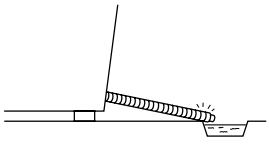
Never forget to install drain hose before operating your washer.
The packing box is opened, there are a drain hose.

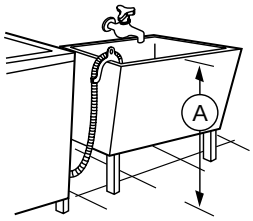
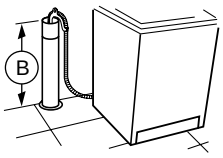
- Connect the drain hose to the drain outlet at the back side of the washer.

Non-Pump Model	Pump Model
	

NOTES

- *The opening must not be obstructed by carpeting when the washing machine is installed on a carpeted floor.*

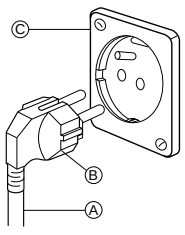
Non-Pump Model		
① In case that it goes over a door sill. Don't let the height of the drain hose exceed 20cm from the bottom of washer. 	② In case of extending the drain hose. Don't let the total length exceed 3m. 	③ Be careful that the end of the drain hose is not immersed in water. 

Pump Model	
Laundry tub drain system	*Standpipe drain system*
• Top of tub must be at least 86cm (34inches) high and no higher than 130cm from bottom of washer (A) 	• Needs a 3cm minimum diameter standpipe with minimum carry away capacity of 30liters per minute. • Top of tub must be at least 86cm (34inches) high and no higher than 130cm from bottom of washer (B) 

ELECTRICAL REQUIREMENTS

WARNING	**electrical shock hazard:** failure to follow these instructions could result in death or serious injury.
• Electrical earth is required on this washer • If it does not fit the outlet, have a proper outlet installed by a qualified electrician.	• Don't earth to a gas pipe • Don't change the power supply cord plug. • Check with a qualified electrician if you are not sure the washer is properly earthed.

Recommended earthing method

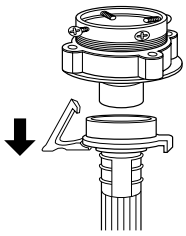
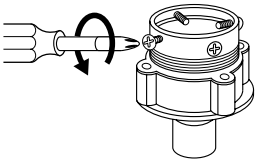
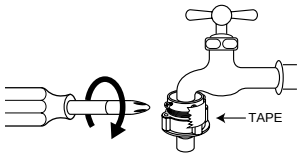
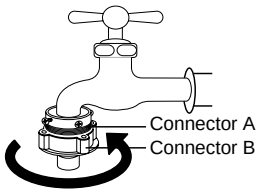
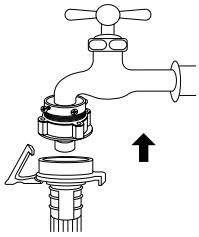
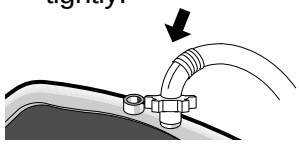


For your personal safety, this washer must be earthed.
This washer is equipped with a power supply cord (A) having a earthing plug (B). To minimize possible shock hazard, the cord must be plugged into a mating earthing-type wall receptacle (C).
If a mating wall receptacle is not available, it is the personal responsibility and obligation of the customer to have the proper earthed wall receptacle installed by a qualified electrician.

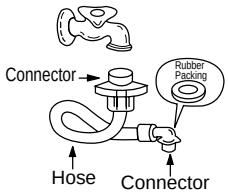
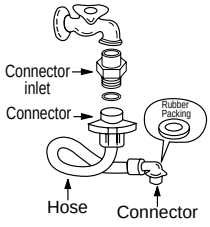
INLET HOSE CONNECTION

Be careful not to confuse hot water inlet and cold water inlet.
In using only one water tap or in case of attached one water inlet valve, connect the inlet hose to the cold water inlet valve.

For Ordinary Tap

① Pull down the collar of the inlet hose to separate it from the water tap adapter. 	② Loosen the four screws properly in fitting into water tap. 	③ Fit the water tap adapter into the water tap and tighten the four screws evenly while pushing up the adapter so that the rubber packing can stick to the water tap tightly. 
④ Remove the tape, and screw connector B into connect A tightly. 	⑤ Connect the inlet hose to the water tap adapter by pulling down the collar of the hose end. 	⑥ Connect the inlet hose adapter of the hose to the water inlet of the washer by turning it clockwise to be fixed tightly.  • Please check the rubber packing inside the inlet hose adapter of the hose.

For Screw-Shaped Tap

① Connect the inlet hose to the water tap by screwing the connector tightly. 	② Connect the connector-inlet supplied if necessary. 	③ Insert the inlet hose adapter into the water inlet of washer and turn it to be fixed. *Check the packing in the inlet

OPERATING YOUR WASHER

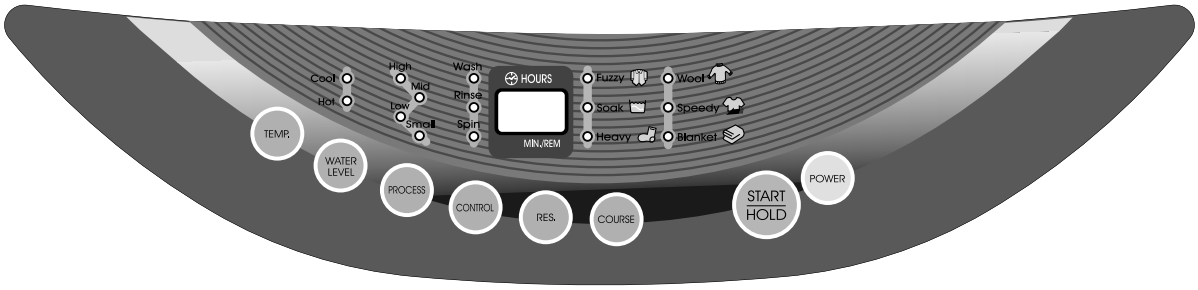
To obtain the best washing results, you must operate your washer properly.
This section gives you this important information.

Preparing clothes for washing	
• Close zippers, snaps, and hooks to avoid snagging other items. Remove pins, buckles, and other hard objects to avoid scratching the washer interior. • Empty pockets and turn them inside out.	• Turn down cuffs and turn synthetic knits out to avoid pilling. • Tie strings and sashes so they will not tangle. • Treat spots and stains. (see "Removing stains" on page14)

Sorting
• Separate heavily soiled items from lightly soiled ones, even if they would normally be washed together. • Separate dark colors from light colors, colorfast items from non-colorfast item.

Loading	
• Drop items into washer loosely. Items should move easily through wash water for best cleaning and wrinkle-free results. • Load washer properly and select correct load size setting. Overloading and selecting a setting too small for the wash load can: - cause poor cleaning - increase wrinkling - create excessive lint - wear out items faster (because of pilling)	• Mix large and small items in each load. Load evenly to maintain washer balance. An unbalanced load can make the washer vibrate during spin. • Reduce wash time when using a small load size setting. Loads with only a few small items need less wash time. • Use a large load size setting to reduce wrinkling with permanent press clothes and some synthetic knits. These items should have more room to move in the water than heavy items (towels, jeans)

THE FUNCTIONS OF THE CONTROL PANEL



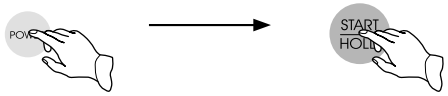
POWER	• Press this switch to turn the power on or off.
TEMP.	• It can be used to choose water temperature to be supplied. • As the button is pressed, water temperature will be repeated. COLD → COLD+HOT → HOT • In case of the single valve model, there is no water temperature selector function.
WATER LEVEL	• It can be used to adjust amount of water according to the size of the load to be washed. • As the button is pressed, water level is selected by MID → HIGH → SMALL → LOW
RES.	• It can be used to pre-engage time for wash.
PROCESS	• It is the button for the partial process or the combination of each process (wash, rinse, spin). (See page 10)
CONTROL	• If you want to change wash time, rinse times, spin time, you must press this button after selecting each process by the process button. Also, this button can be used to spin only. (See page 10)
COURSE	• It can be used to select the full-automatic program. • As the button is pressed, program will be selected by following order: FUZZY → SOAK → HEAVY → WOOL → SPEEDY → BLANKET
START HOLD	• Operation and temporary stop is repeated as it is pressed. • When you want to change program in operating; press the "START/HOLD" button → Select the program that you want to change. → press the "START/HOLD" button again.

WASHING PROCEDURE AND PROGRAM SELECTION

FULL AUTOMATIC PROGRAM

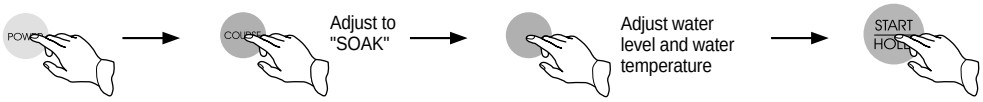
1. FUZZY PROGRAM (SENSOR);

- This selection is for general washing except extraordinary clothes.
- Artificial brain sensor selects properly the various kind of washing condition such as washing time, rinse times, spin time and water level.
- Procedure to press the button;



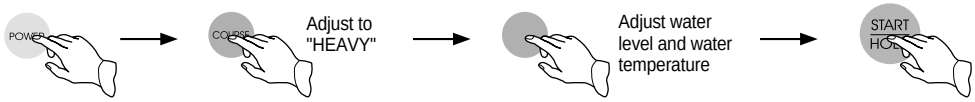
2. SOAK PROGRAM;

- This selection is effective for heavily soiled clothes.
- If you want to soak, press the program button to adjust to "SOAK".
- Procedure to press the button;



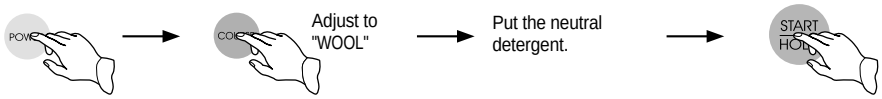
3. HEAVY PROGRAM;

- This selection is effective for blue-jean, climbing clothes, rucksack, sports wear, etc.
- Procedure to press the button;



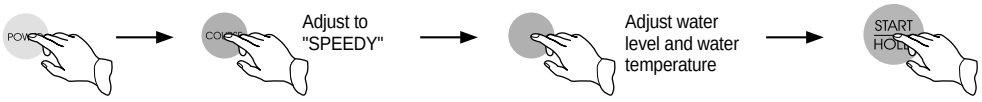
4. WOOL PROGRAM;

- This selection is effective for wool clothes. (1.2kg's limitation for 1-time wash)
- Do not put leather clothes, or chamois clothes into the washing tub for washing. It may cause shrinkage or deformation to the clothes.
- Please use the neutral detergents only.
- The water temperature is fixed to "COLD", and the water level "LOW" can not be selected.
- Procedure to press the button;



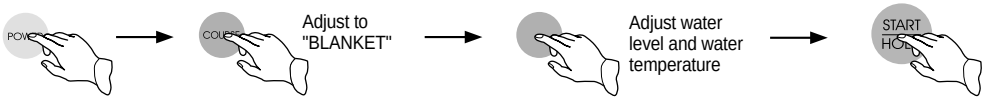
5. SPEEDY PROGRAM;

- This selection is useful to reduce water consumption and washing time for less dirty clothes.
- Procedure to press the button;



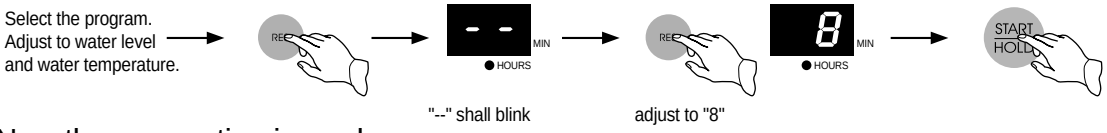
6. BLANKET PROGRAM;

- This selection is effective for blanket, curtain, carpet, etc. (3kg's limitation for 1-time wash)
- Procedure to press the button;



Reserved Washing

- Reservation can be made from 2 hours to 48 hours.
  example) To make reservation to complete washing in 8 hours.
- Procedure to press the button.



- Now the reservation is made.
- If you want to check the selected program, press the "START/HOLD" button again.

PARTIAL PROCESS & COMBINATION

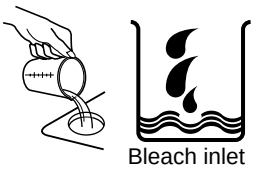
POWER	
↓ CONTROL	***WASH TIME CONTROL*** • As the control button is pressed, wash time will be repeated as following; 12 → 15 → 18 → 0 → 6 → 9min. • If you don't want wash process, you must adjust wash time to 0 min..
↓ CONTROL	***RINSE TIMES CONTROL*** • As the control button is pressed, rinse times will be repeated as following; 2 → 3 → 4 → 0 → 1 time(s) • If you don't want rinse process, you must adjust rinse times to 0 times.
↓ PROCESS ↓ CONTROL	***SPIN TIME CONTROL*** • As the control button is pressed, spin time will repeated as following; 5 → 7 → 9 → 0 → 1 → 3min. • If you don't want spin process, you must adjust spin time to 0 min..
START HOLD	

CONVENIENT OPERATION FOR SPIN ONLY

- If you want spin only, it is convenient to operate the button as following;

GENERAL PROCEDURE FOR OPERATION

1. Add measured detergent to the washer. (Follow manufacturer's directions for safe use)
2. OPTIONAL STEP
   If desired, add measured liquid chlorine bleach to the bleach inlet. use only liquid chlorine in the bleach inlet.
   * Follow manufacturer's direction for safe use.

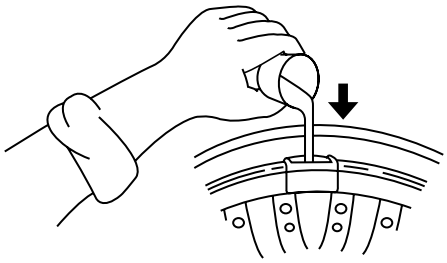


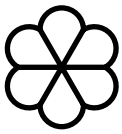
Bleach inlet
(Symbol)

NOTE

- *Do not let bleach splash, drip, or run down into washer basket.*
  Undiluted bleach will damage any fabric it touches.
- *Do not use this dispenser to add powdered chlorine or color safe bleach to your wash load. The dispenser is for liquid chlorine bleach use only.*

3. OPTIONAL STEP
   If desired, add measured liquid fabric softener to the softener inlet.
   • Pour liquid fabric softener into the dispenser using the amount recommended on the package. Avoid dripping or spilling any fabric softener on the load.





Softener inlet
(Symbol)

   • The dispenser is for liquid fabric softener use only.
4. Close the washer lid (door).
5. Press the power button.
6. Select the cycle. The full automatic cycle has five settings; FUZZY, SOAK, HEAVY, WOOL, SPEEDY. (See page 9)
7. Press the START/HOLD button.

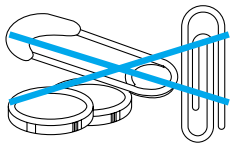
NOTE

- *If you open the Door(Lid) when wash and rinse is pocessing, the PULSATOR is not working with "LE" signeal on the DISPLAY and Buzzer alarm.*
- *And if the Door(Lid), the remaining process will be done continuously.*

CARING FOR YOUR WASHER

Proper care of your washer can extend its life. This section explains how to care for your washer properly and safely.

Cleaning your washer

Exterior	***Interior***
Wipe up detergent, bleach, and other spills with a soft, damp cloth or sponge as they occur. Occasionally wipe the outside of the washer to keep it looking like new one.	Clean interior with 250ml of chlorine bleach mixed with 500ml of detergent. Run washer through a complete cycle. Repeat process if necessary.
Do not put sharp or metal object in your washer, they can damage the finish. Check all pockets for pins, clips, coins, bolts, nuts, etc.. Do not lay these objects on your washer after emptying pockets. 	

Winter storage or moving care

Install and store your washer where it will not freeze. Because some water may stay in the hoses, freezing can damage your washer.
If storing or moving your washer during freezing weather, winterize it.

To winterize washer	***To use washer again***
• Turn off water faucet. • Disconnect and drain water inlet hoses. • Run washer on a drain and spin setting (see page 10) for 1 minute. • Unplug the power supply cord.	• Flush water pipes and hoses. • Reconnect water inlet hoses. • Turn on water faucet. • Reconnect power supply cord.

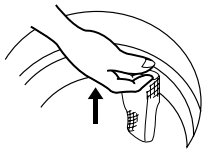
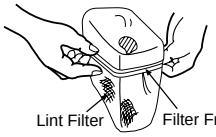
Non-use or vacation care

Operate your washer only when you are at home.
If will be on vacation or not using your washer for an extended period of time, you should;

- Unplug the power supply cord or turn off eletrical power to the washer.
- Turn off the water supply to the washer .
  This helps avoid accidental flooding (due to a water pressure surge) while you are away.

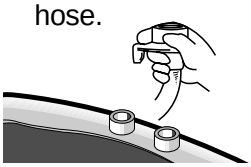
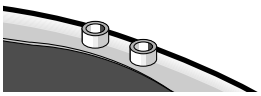
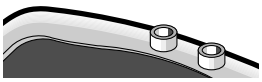
HOW TO CLEAN THE FILTER

Cleaning the Lint Filter

① Pull the filter frame upward.	② Turn the lint filter inside out, wash the lint off with water.	③ Return the filter as it was, and insert the filter frame into the slot.
		

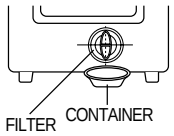
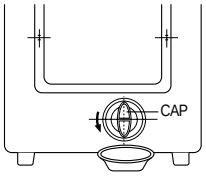
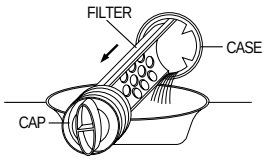
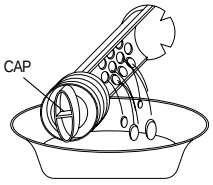
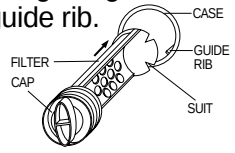
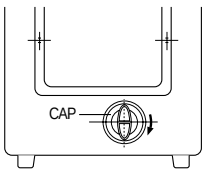
Cleaning the water inlet filter

• Clean the filter when water leaks from the water inlet.

① Pull the power plug out before cleaning it.	② Turn off the water supply to the washer and Separate the inlet hose.	③ Pull the inlet filter out.	④ Remove the dirt from the inlet filter with a brush.
			

Cleaning the drain filter

- In case of "Pump-Model" drain hose, this filter's equipped at the back side of washer.
- This drain filter is to screen the foreign stuffs such as threads, coins, pins, buttons etc ..
- If the drain filter is not cleaned at proper time (every 10 times of use), drain problem could be caused.

① Put down the remained water in the hose. And put a container under the filter to collect water .	② Turn the cap counterclockwise.	③ Pull out the filter assembly.
		
④ Clean the drain filter.	⑤ Put in the filter along the guiding prominence of the case. Please note the left position of the filter adjusting the groove to the guide rib.	⑥ Turn the cap clockwise tightly.
		

REMOVING STAINS

Stained, heavily-soiled, or greasy items may need to be prewashed or soaked for best results. Soaking helps remove protein-type stains like blood, milk, or grass. Prewashing helps loosen soil before washing.

Stain removal rules

- Use warm water for soaking or prewashing stained laundry. Hot water can set stains.
- Most stains are easier to remove when they are fresh.
- Before treating any stain, find out what kind of stain it is, how old the stain is, what kind of fabric it is, and if the fabric is colorfast. (Check the care label)
- Washing and drying can set some stains.
- Start with cold or warm water. Hot water can set some stains.
- When bleach is recommended, use a bleach that is safe for the fabric.
- Put the stained area face down on a paper towel or white cloth. Apply the stain remover to the back of the stain. This forces the stain off fabric instead of through it.

Stain removal guide

STAIN	***TO REMOVE***
Blood	Rinse immediately in COLD water. If stain remains, soak in cold water with an enzyme prewash.
Chewing gum	Use ice in plastic bag to harden the gum. Scrape off what you can and then sponge with white spirits.
Cocoa, Chocolate	Sponge with COLD water and soak in an enzyme prewash. If stains persist, rub in a little detergent and rinse in cold water.
Coffee	Blot up quickly and rinse out in COLD water. Rub in a little detergent and wash in the maximum temperature allowed for the fabric type.
Cream/Milk Ice cream	Rinse in COLD water and wash normally. If stain is still apparent, sponge with white spirits.
Deodorant	Rub affected area with white vinegar and then rinse under running COLD water. Sponge with white spirits. Treat stiffened areas with enzyme prewash.
Egg	Soak in a COLD enzyme prewash, rinse and wash normally.
Fabric/Softener	Rub affected area with bar soap and wash normally.
Fruit stains	Treat as soon as pressible by sponging with COLD water. Rub a little detergent on the stain and wash normally.
Grass	Sponge with white spirits. Rub in an enzyme prewash and wash normally.
Grease and oil	Lay the affected area face down on an absorbent cloth and work from the back. Sponge with white spirits or dry cleaning fluid. Wash normally.
Iron or rust	Apply lemon juice and salt and place in the sun. Wash normally.
Lipstick	Sponge with white methylated spirits and wash normally.
Mildew	Wash in WARM water and detergent. Moisten area with lemon juice, dry in the sun and wash normally. If stain persists and the fabric allows, use a bleach.
Mud	Brush off any dry mud. Rinse in cold water. If stain persists, rub in a little detergent and wash normally.
Paint-oil based	Scrape off any fresh paint and sponge with a non flammable dry cleaning fluid and wash normally.
Paint-water based	Treat while still wet, rinse in WARM water and wash normally.
Scorch marks	Dampen a cloth with hydrogen peroxide, lay it over the affected area and press with a fairly hot iron.

TROUBLE SHOOTING

Most problems are easily solved if you understand the cause.
Check the following list for problem before calling for service.

Before calling for service, check these

PROBLEM	*CHECK POINT*
• The washer will not operate at all.	• Is there a power failure? • Is the power cord correctly connected to an electric outlet? • Is the electric fuse broken? • Did you turn on the power? • Did you press Start/Hold button? • Is there correct amount of water in the tub?
• Water is not supplied; If water supply is not finished within 30 minutes, the lamp LE will light up, and the buzzer will sound to indicate a problem.	• Did you connect the inlet hose and open the water tap? • Is the inlet hose or the water tap frozen? • Is the water supply shut off? • Does foreign matter block up the inlet hose filter?
• The washer will not drain; If the drain is not finished within selected time, lamp DE will light up, and the buzzer will sound to indicate a problem.	• Is the drain hose frozen or blocked up by dirt? • Is the drain hose kinked or deformed? • Is the end of the drain hose immersed in water? • Is there excessive dirt inside the pump housing?
• The washer will not spin; If the clothes is collected on one side during spin and the tub becomes unbalanced, the spin operation will be interrupted, and then this unbalanced condition will be corrected by following operation: WATER SUPPLY→ RINSE→ DRAIN However if the unbalanced condition is unchanged despite repeating the above operation, the lamp DE will light up, and the buzzer will sound to indicate a problem.	• Is the clothes in the tub collected on one side? • Is the washing machine installed on an uneven floor or is the vibration serious? • Is the lid open? (The lamp LE will light up in this case.)

These cases are not malfunctions

- *The sound "wing" heard during water supply is the operating sound made by the water inlet valve.*
- *The sound "sha" heard in stopping the tub is the sound that comes from the autobalancer of the tub.*

SPECIFICATION

MODEL NO.		DWF-770W/772W/820W/822W
Dimension (W×H×D, mm)	770W/820W	525 × 858 × 535
	772W/822W	525 × 948 × 535
Unit Weight	770W/772W	31 kg / 31.5 kg (pump)
	820W/822W	31.5 kg / 32 kg (pump)
Standard Water Consumption		130ℓ
Standard Water Level		•HIGH (55ℓ) •MID (45ℓ) •LOW (31ℓ) •SMALL (25ℓ)
Operating Water Pressure		29kPa~784kPa (0.3kgf/cm^2~8kgf/cm^2)